

CLAIMS

1. A lead screw coupling for coupling a printer carriage to a lead screw, including:

a first member including a mounting site for coupling to a lead screw nut,
a lead screw nut mounted to the mounting site of the first member,
a second member,
a first universal joint operatively connected between the first and second members,

a third member including a mounting site for coupling to a movable printer carriage, and

a second universal joint operatively connected between the second and third members, wherein the second universal joint includes a plurality of flexures and wherein each of the first, second, and third members can move relative to the others.

2. The lead screw coupling of claim 1 further including a lead screw engaged with the lead screw nut.

3. The lead screw coupling of claim 1 wherein the first, second, and third members are at least generally tubular.

4. A coupling, including an at least generally tubular body with an inside surface and an outside surface, the tubular body including:

a first member including a mounting site for coupling to a lead screw nut,
a lead screw nut mounted to the mounting site of the first member,
a second member,
a third member,
a fourth member,
a fifth member,

at least a first articulation between the first and second members,

at least a second articulation between the second and third members, wherein the first and second articulations are within a same first plane normal to a longitudinal axis of the tubular member,

at least a third articulation between the third and fourth members,

at least a fourth articulation between the fourth and fifth members, wherein the third and fourth articulations are within a same second plane normal to a longitudinal axis of the tubular member.

5. The coupling of claim 4 further including a lead screw engaged with the lead screw nut.